

L1 ANSWER 1 OF 14 USPATFULL
AN 85:75062 USPATFULL
TI Laundry detergent composition with enhanced stain removal
IN Curry, John D., Oxford, OH, United States
Edwards, James B., Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 4560492 19851224
AI US 1984-667783 19841102 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Lieberman, Paul; Assistant Examiner: Thompson, Willie J.
LREP Gebhardt, Edmund F., Goldstein, Steven J., Schaeffer, Jack D.
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 614
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Laundry detergent compositions essentially free of inorganic phosphate detergency builders and containing from about 3% to about 60% by weight of water-insoluble sodium aluminosilicate or organic detergency builder components and from about 0.5% to about 10% by weight hydroxyethylethylenediaminetriacetic acid or salts thereof have enhanced organic stain removal characteristics.

L1 ANSWER 2 OF 14 USPATFULL
AN 85:4053 USPATFULL
TI Animal litter composition
IN Rodriguez, Pedro A., Cincinnati, OH, United States
Edwards, James B., Cincinnati, OH, United States
Habermehl, Fred M., Hamilton, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 4494481 19850122
AI US 1982-441318 19821112 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Chamblee, Hugh R.
LREP Schaeffer, J. D., Goldstein, S. J., Rasser, J. C.
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 317
AB Solid absorbent materials, having adsorbed thereto from about 50 ppm to about 3000 ppm of a soluble salt of a transition metal of Group Ib or Group IIb of the periodic table of the elements, when used as animal litter products, effectively prevent the development of urine odors.

L1 ANSWER 3 OF 14 USPATFULL
AN 78:68939 USPATFULL
TI Bleaching process
IN Diehl, Francis L., Wyoming, OH, United States
Edwards, James B., Roselawn, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 4130392 19781219
AI US 1975-630237 19751110 (5)
RLI Continuation of Ser. No. US 1974-437569, filed on 29 Jan 1974, now abandoned
DT Utility
FS Granted

EXNAM Primary Examiner: Schulz, William E.
LREP Yetter, Jerry J., Witte, Richard C., Filcik, Julius P.
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 576

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Contacting damp fabrics with a dry, activated bleaching composition in an automatic dryer results in improved bleaching and stain removal over dry bleaching compositions employed in an aqueous laundering bath..

L1 ANSWER 4 OF 14 USPATFULL

AN 78:11506 USPATFULL

TI Fabric treating articles with improved conditioning properties

IN Edwards, James B., Cincinnati, OH, United States

Diehl, Francis L., Wyoming, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 4076633 19780228

AI US 1974-516051 19741018 (5)

DT Utility

FS Granted

EXNAM Primary Examiner: De Benedictis, Sr., Thomas

LREP Yetter, Jerry J., Filcik, Julius P., Witte, Richard C.

CLMN Number of Claims: 13

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1486

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Softening articles with improved fabric conditioning properties comprising fabric softener, certain substantially water-insoluble particulate materials and a dispensing means especially adapted for use in an automatic clothes dryer are described. The articles simultaneously provide softness, ease of ironing, anti-wrinkling and improved appearance and aesthetic benefits to fabrics treated therewith.

L1 ANSWER 5 OF 14 USPATFULL

AN 77:52511 USPATFULL

TI Detergent compositions containing insoluble particulate materials having fabric conditioning properties

IN Diehl, Francis Louvaine, Wyoming, OH, United States

Edwards, James Byrd, Roselawn, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 4051046 19770927

AI US 1975-594909 19750710 (5)

RLI Division of Ser. No. US 1973-357128, filed on 4 May 1973, now abandoned which is a continuation-in-part of Ser. No. US 1973-333103, filed on 16 Feb 1973, now patented, Pat. No. US 3892681

DT Utility

FS Granted

EXNAM Primary Examiner: Albrecht, Dennis L.

LREP Dabek, Rose Ann, Yetter, Jerry J., Witte, Richard C.

CLMN Number of Claims: 1

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1442

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Detergent compositions having fabric conditioning properties comprising an organic surface-active agent and low concentrations of substantially water-insoluble particulate material; said compositions imparting anti-wrinkling, ease of ironing, softness, anti-static, and appearance improvements to fabrics treated therewith.

L1 ANSWER 6 OF 14 USPATFULL
AN 77:18203 USPATFULL
TI Bleaching articles
IN Diehl, Francis Louvaine, Wyoming, OH, United States
Marsan, Mario Stephen, Cincinnati, OH, United States
Edwards, James Byrd, Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)
PI US 4017411 19770412
AI US 1975-562527 19750327 (5)
DT Utility
FS Granted
EXNAM Primary Examiner: Padgett, Benjamin R.; Assistant Examiner: Gluck, Irwin
LREP Wilson, Charles R., Yetter, Jerry J., Witte, Richard C.
CLMN Number of Claims: 6
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 660
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Non-starch thickened peroxygen bleaches, and articles releasably
containing same, especially adapted for use in an automatic dryer are
provided.

L1 ANSWER 7 OF 14 USPATFULL
AN 77:11499 USPATFULL
TI Bleaching articles
IN Marsan, Mario Stephen, Cincinnati, OH, United States
Diehl, Francis Louvaine, Wyoming, OH, United States
Edwards, James Byrd, Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)
PI US 4011172 19770308
AI US 1975-562529 19750327 (5)
DT Utility
FS Granted
EXNAM Primary Examiner: Padgett, Benjamin R.; Assistant Examiner: Gluck, Irwin
LREP Wilson, Charles R., Yetter, Jerry J., Witte, Richard C.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 595
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Thickened chlorine bleaches, and articles releasably containing same,
especially adapted for use in an automatic dryer are provided.

L1 ANSWER 8 OF 14 USPATFULL
AN 76:66306 USPATFULL
TI Bleaching composition
IN Edwards, James Byrd, Cincinnati, OH, United States
Diehl, Francis Louvaine, Wyoming, OH, United States
Marsan, Mario Stephen, Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)
PI US 3996152 19761207
AI US 1975-562530 19750327 (5)
DT Utility
FS Granted
EXNAM Primary Examiner: Padgett, Benjamin R.; Assistant Examiner: Gluck, Irwin
LREP Wilson, Charles R., Yetter, Jerry J., Witte, Richard C.
CLMN Number of Claims: 17
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 669
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Low pH, non-starch gels containing particulate peroxygen compounds, especially diperazelaic acid, provide safe, effective and stable fabric bleaching compositions for use at alkaline pH's, e.g., in laundry baths. X

L1 ANSWER 9 OF 14 USPATFULL

AN 76:29033 USPATFULL

TI Detergent composition

IN Montgomery, Ronald E., Greenhills, OH, United States

Mullane, Jr., William I., Wyoming, OH, United States

Diehl, Francis L., Wyoming, OH, United States

Edwards, James Byrd, Cincinnati, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 3959155 19760525

AI US 1973-402054 19731001 (5)

DT Utility

FS Granted

EXNAM Primary Examiner: Tillman, Murray; Assistant Examiner: Danison, Jr., W. C.

LREP Wilson, Charles R., Yetter, Jerry J., Filcik, Julius P.

CLMN Number of Claims: 39

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1100

AB Improved anti-static compositions comprising an electrically conductive metal salt dispersed in a water-insoluble quaternary compound are employed in improved detergent compositions. Detergent-compatible fabric softeners, and detergent compositions containing same, comprising a smectite clay softener and the improved anti-static compositions are provided. X

L1 ANSWER 10 OF 14 USPATFULL

AN 75:34387 USPATFULL

TI Detergent compositions containing water insoluble starch

IN Edwards, James Byrd, Cincinnati, OH, United States

Diehl, Francis Louvaine, Cincinnati, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 3892681 19750701

AI US 1973-333103 19730216 (5)

DT Utility

FS Granted

EXNAM Primary Examiner: Lechert, Jr., Stephen J.

LREP Schaeffer, Jack D., Witte, Richard C., Yetter, Jerry J.

CLMN Number of Claims: 14

ECL Exemplary Claim: 1,6

DRWN No Drawings

LN.CNT 1646

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Laundry detergent compositions comprising an organic surface-active agent and low concentrations of substantially water-insoluble granular starch; said compositions imparting anti-wrinkling, ease of ironing, softness (enhanced bulkiness), and anti-static effects to fabrics washed therein. In a preferred embodiment, the inventive compositions in addition contain a Smectite-type clay capable of further softening (providing lubricity to) fabrics laundered therein. X

L1 ANSWER 11 OF 14 USPATFULL

AN 75:3622 USPATFULL

TI FABRIC SOFTENING COMPOSITIONS CONTAINING WATER-INSOLUBLE PARTICULATE MATERIAL AND METHOD

IN Edwards, James Byrd, Roselawn, OH, United States

Diehl, Francis Louvaine, Wyoming, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.)

corporation)
PI US 3861870 19750121
AI US 1973-357130 19730504 (5)
DT Utility
FS Granted
EXNAM Primary Examiner: Lechert, Jr., Stephen J.
CLMN Number of Claims: 17
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 873

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Fabric softening compositions with improved conditioning properties comprising a cation-active fabric softener and certain substantially water-insoluble particulate materials are described. The compositions permit the simultaneous attainment of softening, ease of ironing, anti-wrinkling and appearance benefits of fabrics treated therewith.

L1 ANSWER 12 OF 14 USPATFULL

AN 73:40860 USPATFULL

TI TICKET ISSUING MACHINE

IN Woodie, Paul E., Cockeysville, MD, United States

Edwards, James B., Cockeysville, MD, United States

PA American Totalisator Company, Inc., Towson, MD, United States (U.S. corporation)

PI US 3757685 19730911

AI US 1969-879172 19691124 (4)

DT Utility

FS Granted

EXNAM Primary Examiner: Pulfrey, Robert E.; Assistant Examiner: Coven, E. M.

LREP Busser, Smith and Harding

CLMN Number of Claims: 6

DRWN 26 Drawing Figure(s); 12 Drawing Page(s)

LN.CNT 827

AB A machine for issuing theatre tickets comprises a mechanism for printing and cutting individual tickets from blank ticket stock, leaving a continuous record strip to be retained in the machine. Printing of an individual ticket takes place immediately prior to its issuance, and prior to its being cut from the ticket stock. Printing wheels geared together cause the same price information to be printed on the continuous record strip as is printed on the ticket. The mechanism is installed in a cabinet having a ticket cup located underneath a glass plate arranged so that tickets ejected by the machine into the cup cannot be handled by the cashier.

The ticket issuing mechanism issues from one to five tickets automatically in one operation depending on which of a group of push-buttons is selected by the operator.

Electrical means are provided for the transmission of price information to a recorder. Two machines may be connected to transmit information to the same recorder. When this is done, an interlock circuit is provided to prevent the recording of confused information resulting from simultaneous operation of the two ticket issuing machines.

L1 ANSWER 13 OF 14 USPATFULL

AN 72:32520 USPATFULL

TI SURFACE-MODIFIED CELLULOSE

IN Edwards, James B., Cincinnati, OH, United States

PA The Proctor & Gamble Company, Cincinnati, OH, United States

PI US 3673110 19720627

AI US 1970-102199 19701228 (5)

DT Utility

FS Granted

EXNAM Primary Examiner: Garvin, Patrick P.

LREP Schaeffer; Jack D., Witte; Richard C.
CLMN Number of Claims: 12
DRWN No Drawings
LN.CNT 658

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An adsorbent mass useful in adsorbing dirt and anionic dye molecules in laundering operations and the like is prepared by modifying a cellulosic substrate to render same anionic and thereafter coating the modified surface with certain nitrogen compounds.

L1 ANSWER 14 OF 14 USPATFULL

AN 71:32700 USPATFULL

TI PROCESS FOR THE HYDROGENATION OF AN OLEAGINOUS MATERIAL

IN Ross, Jr., Philip N., Cincinnati, OH, United States

Edwards, James B., Cincinnati, OH, United States

PA The Proctor & Gamble Company, Cincinnati, OH, United States

PI US 3608039 19710921

AI US 1968-767855 19681015 (4)

DT Utility

FS Granted

EXNAM Primary Examiner: Mack, John H.; Assistant Examiner: Kaplan, Neil A.

LREP Witte; Richard C.

CLMN Number of Claims: 8

DRWN No Drawings

LN.CNT 430

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for the catalytic hydrogenation of an unsaturated oleaginous material using a suspended particulate catalyst and an alternating current electric field to promote the hydrogenation is disclosed. A product of the process is useful as a salad oil.

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